Technical Committee 184: Industrial automation systems and integration
Subcommittee 4: Industrial data

ISO Committee Draft Ballot Results
for 13584-24.2
Part Library: Logical resource: Logical model of supplier library

The ballot was circulated among SC4 members for its vote on 1998-06-29. 13 of our eighteen P-members responded to the ballot:

COUNTRY	VOTE	WITH COMMENT
Australia	Agree	
Canada		
China		
France	Agree	X
Germany	Agree	
Hungary		
Italy	Agree	
Japan		
Korea, Republic of	Agree	
Netherlands	Agree	
Norway	Abstain	
Portugal		
Russia	Agree	
Spain	Agree	
Sweden	Abstain	
Switzerland	Yes	X
United Kingdom	Abstain	
United States	Agree	X

The Secretariat has reviewed the ballot responses, and in consultation with the Chair and concurrence from the project leader, proposes that, the next draft 13584-24.2 will go forward for registration as a DIS.

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http://www.nist.gov/sc4/plib/parts/part024/cd2/bal_cmt/

BALLOT COMMENTS

FRANCE
ISSUE NUMBER: FRA 24-1
AUTHOR: Y. Ait-Ameur and G. Pierra
CLAUSE: 14.4.7 and 14.8.7
CLASSIFICATION: MAJOR TECHNICAL
DESCRIPTION: Definition of allowed external files
The use of http-compliant documents refers to formats registered as standard by one RFC of the Internet Advisory Board (IAB). These références are defined in ISO 13584 Part 24 by clauses 14.4.7 and 14.8.7.

However, it appears that now, HTML/XML are under the responsability of W3C. Therefore, the characterization of the "standard" versions of HTML and other "standard MIME" formats seems to be no longer sufficient.
PROPOSED SOLUTION:
RESOLUTION:

ISSUE NUMBER: FRA 24-2
AUTHOR: Y. Ait-Ameur and G. Pierra
CLAUSE: 12.21.2 and 12.21.3
CLASSIFICATION: MAJOR TECHNICAL
DESCRIPTION: Case_of for features
Three main concepts component, material and class are used to define in EXPRESS the allowed classes. A case of relationship is defined for both components and materials and is not defined for features.
PROPOSED SOLUTION:
Introduce the definition of a case of relationship for features.
RESOLUTION:

ISSUE NUMBER: FRA 24-3
AUTHOR: Y. Ait-Ameur and G. Pierra
CLAUSE: 18 and 19
CLASSIFICATION: MAJOR TECHNICAL
DESCRIPTION: No generic class extension
Conformance class 3 is too complicated for implementation of simple libraries. It covers a too large set of descriptions that seems unecessarily complex. In particular, it allows generic classes to have an explicit content thanks to the item_class_extension entity.
PROPOSED SOLUTION:
Simplify class conformance 3, in particular by avoiding generic classes extension.
RESOLUTION:

ISSUE NUMBER: FRA 24-4
AUTHOR: Y. Ait-Ameur and G. Pierra
CLAUSE: 18 and 19
CLASSIFICATION: MAJOR TECHNICAL
DESCRIPTION: Split conformance class 5
Conformance class 5 is too complicated. It covers a large set of descriptions involving assemblies of any kind. So it is too complicated for implementation.
PROPOSED SOLUTION:
Following comment FRA 24-3 we suggest to decompose this class into two conformance classes (as it is suggested for conformance class 3) one for simple assemblies and the other involving all the other assemblies similar to class conformance 4.
RESOLUTION:

ISSUE NUMBER: FRA 24-5
AUTHOR: Y. Ait-Ameur and G. Pierra
CLAUSE:8.4 and 8.4.3
CLASSIFICATION: MINOR TECHNICAL

DESCRIPTION: Instance comparison in class expressions

When using complex tables (non relational algebraic tables), we may have to use class instances in boolean expressions for performing a query on a table. In order to allow to get comparison expressions over classes, we need to have comparison expressions and on class instances.

PROPOSED SOLUTION:

Introduce two operators for classes and class instance comparisons (corresponding to = and :=: operators)

RESOLUTION:

ISSUE NUMBER: FRA 24-6
AUTHOR: Y. Ait-Ameur and G. Pierra
CLAUSE: Annex U
CLASSIFICATION:MINOR EDITORIAL
DESCRIPTION: Conformance classes
The numbers of the conformance class where ressources declared in EXPRESS as ABSTRACT or SELECT are not present in the tables summarizing the conformace classes.
PROPOSED SOLUTION:
Replace in the corresponding column the "-" sign by the number corresponding to the confomance class that indirectly uses the ressources declared as ABSTRACt or as SELECT.
RESOLUTION:

ISSUE NUMBER: FRA 24-7
AUTHOR: Y. Ait-Ameur and G. Pierra
CLAUSE:12.20.3
CLASSIFICATION: MINOR TECHNICAL
DESCRIPTION:
The where rule labelled as WR3 is described informally in the text.
PROPOSED SOLUTION:
Write the EXPRESS statements corresponding to the WR3
RESOLUTION:

SWITZERLAND

ISSUE NUMBER: CH-1
AUTHOR: E. Zwicker
CLAUSE: B.2.9
CLASSIFICATION: minor editorial
DESCRIPTION: With in the brackets the clause 14 instead of clause 15 is referenced.
PROPOSED SOLUTION: Change the bracket as follows:
The ISO13584_method_schema (see clause 15) is assigned the object identifier ....

ISSUE NUMBER: CH-2
AUTHOR: E. Zwicker
CLAUSE: Annex P, page 433
CLASSIFICATION: minor editorial
DESCRIPTION: In figure P.6 within the component class definition the BSU #70 is referenced. That BSU does not exist, neither in figure P.4 and P.6 nor in the physical file of clause P.4.1. The correct BSU is #50 which is corresponding to the physical file of clause P.4.1.
PROPOSED SOLUTION: Change the figure P.6 as follows:...
/* Class definition */
#71 = component_class (#50, ...

ISSUE NUMBER: CH-3
AUTHOR: E. Zwicker
CLAUSE: Annex P, figure P.3 page 431
CLASSIFICATION: minor editorial
DESCRIPTION: The column values in the table of licit values in figure P.3 do not fit to physical files of annex P.
PROPOSED SOLUTION: Change the d_in values in figure P.3 to: 10, 11; the e values to 1, 2; the d_out values to 15, 16.5.

ISSUE NUMBER: CH-4
AUTHOR: E. Zwicker
CLAUSE: Annex P.2.3.5, figure P.12 page 436
CLASSIFICATION: major editorial
DESCRIPTION: The EXPRESS-G model in figure P.12 contains entities which do not fit to
the textual description and context respectively in clause P.2.3.5, page 436 nor to physical files in annex P.
PROPOSED SOLUTION: Change the following entities:
entity domain_rstriction to Guarded_simple_domain
table_expression to table_literal

ISSUE NUMBER: CH-5
AUTHOR: E. Zwicker
CLAUSE: Annex P.2.3.6, figure P.15 page 438
CLASSIFICATION: major editorial
DESCRIPTION: The EXPRESS-G model in figure P.15 contains an entities which does not fit to the textual
description and context respectively in clause P.2.3.6, page 437 nor to physical files in annex P.
PROPOSED SOLUTION: Change the general_expression_defined_value to library_expression_defined_value

ISSUE NUMBER: CH-6
AUTHOR: E. Zwicker
CLAUSE: Annex P.2.3.7, figure P.19 page 440
CLASSIFICATION: minor editorial
DESCRIPTION: In figure P.19 within the item_class_extension the BSU #80 is referenced. That BSU does not
exist, neither in figure P.4 nor in the physical file of clause P.4.1. The correct BSU is #50 which is corresponding
to the physical file of clause P.4.1.
PROPOSED SOLUTION: Change the figure P.19 as follows:...
/* Class extension */#8000 = item_class_extension (#80, ...

ISSUE NUMBER: CH-7
AUTHOR: E. Zwicker
CLAUSE: Annex P.2.3.2
CLASSIFICATION: minor editorial
DESCRIPTION: On page 441 the WD version of ISO 13584-101 is referenced.
PROPOSED SOLUTION: Change the reference to current version of ISO 13584-101.

ISSUE NUMBER: CH-8
AUTHOR: E. Zwicker
CLAUSE: Annex P.2.4.1, figure P.23
CLASSIFICATION: minor editorial
DESCRIPTION: In figure P.23 the steps performed in the view creation mechanism are enumerated
alphanumerical (1, 2a, 2b, 3,...). In contradiction the steps in the textual explanation are enumerated alphabetical.
PROPOSED SOLUTION:The enumeration of figure P.23 should match the one used in the text. Change either the
enumeration in figure p.23 to a, b1, b2, c,... or the enumeration in the textual explanation to 1, 2a, 2b, 3,...

ISSUE NUMBER: CH-9
AUTHOR: E. Zwicker
CLAUSE: Annex R, figure R.2
CLASSIFICATION: major editorial
DESCRIPTION: In the EXPRESS-G model depicted in figure R.2 the Entities names dic_item,
dic_component, dic_material, dic_fearure, lib_item, lib_component,
lib_material, lib_feature, dic_f_model, lib_f_model and dic_f_view do not
correspond to the entity names used in the EXPRESS model of clause7.4.4.
PROPOSED SOLUTION: Rename the entities listed above according to the EXPRESS definition of clause 7.4.4.

ISSUE NUMBER: CH-10
AUTHOR: E. Zwicker
CLAUSE: Annex R, figure R.2

CLASSIFICATION: major editorial
DESCRIPTION: The entities dic_feature_instance and lib_feature_instance defined in clause 7.4.4.5 and 7.4.4.9 respectively are missing in the EXPRESS-G model depicted in figure R.2
PROPOSED SOLUTION: Add the entities listed above according to the EXPRESS definition of clause 7.4.4.5 and 7.4.4.9 respectively to the EXPRESS-G model depicted in figure R.2.

ISSUE NUMBER: CH-11
AUTHOR: E. Zwicker
CLAUSE: Clause 7.4.4.12
CLASSIFICATION: minor technical
DESCRIPTION: The top of page 44 reads as follows:

A dic_f_view_instance is a SUBTYPE of an ISO 10303-43 representation.

Therefore, it contains two inherited attributes:
-        a context_of_items attribute, that contains the representation_context that defines the context of the representation_item elements that constitute the view, and -   an items attribute that contains a set of representation_items.
This is not reflected in the EXPRESS definition of the dic_f_view_instance on page 44.
PROPOSED SOLUTION: Change the SUBTYPE statement within the entity definition as follows:...
SUBTYPE OF (dic_class_instance, representation)...

ISSUE NUMBER: CH-12
AUTHOR: E. Zwicker
CLAUSE: Clause 7.3.2
CLASSIFICATION: minor technical
DESCRIPTION: Clause 7.3.2 reads as follows:

A simple_value is an unstructured value belonging to a built-in EXPRESS type.

It is unclear what is meant by a "built-in" EXPRESS type
PROPOSED SOLUTION: Replace the sentence as follows to make the statement clearer:
A simple_value is an unstructured value belonging to a EXPRESS type used in a library.

ISSUE NUMBER: CH-13
AUTHOR: E. Zwicker
CLAUSE: Figure R.1
CLASSIFICATION: minor technical
DESCRIPTION: The EXPRESS-G representation of the EXPRESS type property_or_data_type_BSU defined in clause 7.3.15 is missing in Figure R.1.
PROPOSED SOLUTION: Add EXPRESS-G representation of the the EXPRES type property_or_data_type_BSU to figure R.1.

ISSUE NUMBER: CH-14
AUTHOR: E. Zwicker
CLAUSE: Figure 8
CLASSIFICATION: major editorial
DESCRIPTION: The entity names dic_item and lib_item of planing model depicted in figure 8, page 30 do not correspond to the EXPRESS definitions of clause 7.4.4.2 and 7.4.4.6 respectively.
PROPOSED SOLUTION: Add EXPRESS-G representation of the the EXPRES type property_or_data_type_BSU to figure R.1.

ISSUE NUMBER: CH-15
AUTHOR: E. Zwicker
CLAUSE: Figure 8
CLASSIFICATION: major editorial
DESCRIPTION: The entity dic_class_instance is using an other aggregation data type (list) than the EXPRESS entity definition(set)in clause 7.4.4.1.

PROPOSED SOLUTION: Add EXPRESS-G representation of the the EXPRES type property_or_data_type_BSU to figure R.1.

ISSUE NUMBER: CH-16
AUTHOR: E. Zwicker
CLAUSE: Clause 18.1
CLASSIFICATION: major technical
DESCRIPTION: The element int_literal listed in clause 18.1 is not defined within the ISO13584_expression_schema. But it is used in the example physical file of annex P.
PROPOSED SOLUTION: Define the element int_literal in the ISO13584_expression_schema.

ISSUE NUMBER: CH-17
AUTHOR: E. Zwicker
CLAUSE: Clause 18.1
CLASSIFICATION: minor editorial
DESCRIPTION: The listing of used entities and types of the ISO13584_extended_dictionary_schema on page 356 is not ordered alphabetical.
PROPOSED SOLUTION: Order the entities and types alphabetical.

ISSUE NUMBER: CH-18
AUTHOR: E. Zwicker
CLAUSE: Clause 18.2.1 / clause 18.2.2
CLASSIFICATION: minor technical
DESCRIPTION: In clause 18.2.1 the entity library_iim_id is listed as a required entity for conformance class 0. Contrary to that the entity library_iim_id is in annex S.1 assigned to conformance class 1. In clause 18.2.2 the entity is missing.
PROPOSED SOLUTION: I has to be decided whether the entity belongs to CC0 or not. The listing of 18.2.1 and 18.2.2 has to be updated accordingly.

ISSUE NUMBER: CH-19
AUTHOR: E. Zwicker
CLAUSE: Clause S.1
CLASSIFICATION: minor technical
DESCRIPTION: The entity level is missing in the entity listing of the ISO13584_extended_dictionary_schema.
PROPOSED SOLUTION: Add the entity level to the listing in annex S.1.

ISSUE NUMBER: CH-20
AUTHOR: E. Zwicker
CLAUSE: Clause 18.2.6 / Clause S.1
CLASSIFICATION: minor technical
DESCRIPTION: In Annex S.1 the entity table_literal is assigned the conformance class 4. The listing of conformance classe 4 elements in clause 18.2.8 contains the entity accordingly. In contradiction to that, the entity is listed in clause 18.2.6 as a entity of conformance class 3.
PROPOSED SOLUTION: Remove the entity table_literal from the listing in clause 18.26.

ISSUE NUMBER: CH-21
AUTHOR: E. Zwicker
CLAUSE: Clause 18.1 and annex S.1
CLASSIFICATION: major editorial
DESCRIPTION: The following entities from annex S.1 are missing in clause 18.1:
ISO13584_expressions_schema:
literal_number
SQL_mappable_defined_function
ISO13584_IEC61360_dictionary_schema: document level_type
ISO13584_variable_semantics_schema: self_property_name_semantics
ISO13584_external_file_schema: class_BSU_related_content

The following entities are in annex S.1 assigned to conformance class 5, but they are not listed in clause 18.2.10 accordingly:
ISO13584_instance_resource_schema:
      dic_material_instance
ISO_librarry_expression_schema:
      entity_instance_literal
      entity_instance_variable
geometry_schema:
      placement
representation_schema:
      representation_item
      representation_context

The following entities are in annex S.1 assigned to conformance class 3, but they are not listed in clause 18.2.6 accordingly:
ISO13584_extended_dictionary_schema:
      RDB_table_element

The following entities are in annex S.1 assigned to conformance class 0, but they are not listed in clause 18.2.1 and 18.2.2 accordingly:
ISO13584_IEC61360_dictionary_schema:
      data_type_element
      dependent_P_DET
ISO13584_extended_dictionary_schema:
      view_exchange_protocol_id
PROPOSED SOLUTION: Check the entities and add the missing one to the element listing of clause 18.1.

ISSUE NUMBER: CH-22
AUTHOR: E. Zwicker
CLAUSE: Clause 18.2.1/ Clause 18.2.2 / clause S.1
CLASSIFICATION: minor technical
DESCRIPTION: In Annex S.1 the entity librarry_iim_id is assigned the conformance class1. The listing of conformance classe 1 elements in clause 18.2.2 does not contain the entity accordingly. But the listing of conformance class 0 elements in clause 18.2.1 contains the entity librarry_iim_id.
PROPOSED SOLUTION: Check to which conformance class the entity librarry_iim_id belongs and correct clause 18.2.1, 18.2.2 or annex S.1 accordingly.

UNITED STATES
ISSUE NUMBER: USA-PLIB24-1
AUTHOR: USA
CLAUSE: General
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The page numbers in the index are sometimes off by 1. For example, the index says that dic_item_instance may be found on page 37, but in fact it begins on the top of page 38.
PROPOSED SOLUTION: Regenerate the dictionary with the proper page numbers.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-2
AUTHOR: USA
CLAUSE: General
CLASSIFICATION: Minor, Editorial
DESCRIPTION: References to figures, clauses, etc., are inconsistently capitalized and abbreviated.
PROPOSED SOLUTION: Make reference consistently the same case, and spell them all out.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-3
AUTHOR: USA

CLAUSE: General
CLASSIFICATION: Minor, Editorial
DESCRIPTION: There are numerous instances of extra spaces throughout the document.
PROPOSED SOLUTION: Delete the extra space.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-4
AUTHOR: USA
CLAUSE: General
CLASSIFICATION: Minor, Editorial
DESCRIPTION: There is a space placed incorrectly before a colon at a number of points in the text. For example, the heading of clause 6.2.1, "simple families of parts : by set extension."
PROPOSED SOLUTION: Delete the spaces before colons.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-5
AUTHOR: USA
CLAUSE: Introduction, 2nd paragraph
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The number of this standard is given incorrectly.
PROPOSED SOLUTION: "The parts of ISO 13854..." to "The parts of ISO 13584..."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-6
AUTHOR: USA
CLAUSE: 1
CLASSIFICATION: Minor, Editorial
DESCRIPTION: An "s" should be added to the word "part" in the third sentence: "These integrated information models integrate EXPRESS resource constructs from different part of ISO 13584 and ISO 10303 into a single schema."
PROPOSED SOLUTION: Change "part" to "parts. "
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-7
AUTHOR: USA
CLAUSE: 2
CLASSIFICATION: Minor, Editorial
DESCRIPTION: "ISO/IEC 11179 Basicattributes" is missing a space.
PROPOSED SOLUTION: Change "Basicattributes" to "basic attributes."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-8
AUTHOR: USA
CLAUSE: 3
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The definitions should be put into the new style used in VEP 101 and VEP 102.
PROPOSED SOLUTION:
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-9
AUTHOR: USA
CLAUSE: 3
CLASSIFICATION: Minor, Editorial
DESCRIPTION: Many of the definitions do not start flush with the left margin.
PROPOSED SOLUTION: Remove the unnecessary spaces at the beginning of definitions.
RESOLUTION

ISSUE NUMBER: USA-PLIB24-10

AUTHOR: USA
CLAUSE: 3.6.13
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The phrase "conforming with" is used where "conforming to" is meant.
PROPOSED SOLUTION: Change "conforming with" to "conforming to."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-11
AUTHOR: USA
CLAUSE: 4
CLASSIFICATION: Minor, Editorial
DESCRIPTION: There is an extra "a" in the explanation for the VEP acronym.
PROPOSED SOLUTION: Change the definition to: "VEP: view exchange protocol."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-12
AUTHOR: USA
CLAUSE: 5
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The word "intend" is used in several places where the word "intent" is meant.
PROPOSED SOLUTION:
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-13
AUTHOR: USA
CLAUSE: 5
CLASSIFICATION: Minor, Editorial
DESCRIPTION: List item three jumps between discussing several LIIMs and one EXPRESS schema.
PROPOSED SOLUTION: Change the third list item to read: "The library integrated information models part provides EXPRESS schemas that integrate resource constructs from the previous schemas, from other parts of ISO 13584, and from other International Standard for representing supplier libraries for the purpose of exchange."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-14
AUTHOR: USA
CLAUSE: 5.1.4
CLASSIFICATION: Minor, Editorial
DESCRIPTION: Reference to ISO 13584-20 is misspelled as "ISO 132584-20" in the NOTE and the first paragraph.
PROPOSED SOLUTION: Change "132584-20" to "13584-20."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-15
AUTHOR: USA
CLAUSE: 5.2.3
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The placement of the phrase "or not" breaks up the sentences unnecessarily..
PROPOSED SOLUTION: Change the first sentence to: ."The ISO13584_external_file_schema defines a mechanism and provides the resource constructs for referencing external files, whether or not these external files conform, to an EXPRESS information model, and whether or not their file formats conform, to an implementation method defined in ISO 10303."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-16
AUTHOR: USA
CLAUSE: 5.3
CLASSIFICATION: Minor, Editorial

DESCRIPTION: The idea of one LIIM is mixed with syntax for multiple LIIMs PROPOSED SOLUTION: Change the first sentence to "A library integrated information model is an . . .".
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-17
AUTHOR: USA
CLAUSE: 5.3
CLASSIFICATION: Minor, Editorial
DESCRIPTION: It intended meaning of the "The library integrated..." is not clear particularly unclear what is intended by "gathering".
PROPOSED SOLUTION:
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-18
AUTHOR: USA
CLAUSE: 5.3
CLASSIFICATION: Minor, Editorial
DESCRIPTION: "Thanks to" is too informal.
PROPOSED SOLUTION: Replace "thanks to" with "due to".
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-19
AUTHOR: USA
CLAUSE: 5.3.2
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The title is inconsistent with the description
PROPOSED SOLUTION: The title should be ISO13584_f_m_iim_schema and LIIM 24-2 instead of ISO13584_f_m_iim_schema and LIIM 24-3.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-20
AUTHOR: USA
CLAUSE: 5.3.3
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The schema name is inconsistently used in the description.
PROPOSED SOLUTION: ISO13584_f_m_iim_schema should be ISO13584_f_v_iim_schema.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-21
AUTHOR: USA
CLAUSE: 6
CLASSIFICATION: Major, Technical
DESCRIPTION: The discussion in Clause 6 is of a general nature and would fit better in ISO 13584-10.
PROPOSED SOLUTION: Move Clause 6 to ISO 13584-10.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-22
AUTHOR: USA
CLAUSE: 6.1
CLASSIFICATION: Minor, Editorial
DESCRIPTION: An "s" should be added to the word "provide" in the last sentence.
PROPOSED SOLUTION: Change the last sentence to: "This part of ISO 13584 provides the EXPRESS resource constructs for representing such a hierarchy of classes for the purpose of exchange."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-23
AUTHOR: USA
CLAUSE: 6.2

CLASSIFICATION: Minor, Editorial
DESCRIPTION: The "s" should be dropped form the word "simples" in the second sentence.
PROPOSED SOLUTION: Change the second sentence to: " Two approaches may be used for representing simple families of parts."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-24
AUTHOR: USA
CLAUSE: 6.2.3
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The examples are not numbered.
PROPOSED SOLUTION: Number them.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-25
AUTHOR: USA
CLAUSE: 6.2.3
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The "s" should be dropped form the word "billions" in the first EXAMPLE.
PROPOSED SOLUTION: Change the first EXAMPLE to: "There are more than 5 billion different screws conforming to ISO screw standards."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-26
AUTHOR: USA
CLAUSE: 6.2.3
CLASSIFICATION: Minor, Editorial
DESCRIPTION: An "s" should be added to the word "fulfil" in the second sentence of the third EXAMPLE.
PROPOSED SOLUTION: Change the second sentence of the third EXAMPLE to: "Assume that, for each value, there exists only one part that fulfils the corresponding requirements. "
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-27
AUTHOR: USA
CLAUSE: 6.2.3
CLASSIFICATION: Minor, Editorial
DESCRIPTION: "...for family representing" is not good English.
PROPOSED SOLUTION: Change "for family representing" to "for representing families."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-28
AUTHOR: USA
CLAUSE: 6.2.3
CLASSIFICATION: Minor, Technical
DESCRIPTION: It is not clear what is meant by: "A family is captured through a class description." What is a "class description"?
PROPOSED SOLUTION: Rewrite to clarify what is meant.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-29
AUTHOR: USA
CLAUSE: 6.2.3
CLASSIFICATION: Minor, Editorial
DESCRIPTION: In the third example of this subclause, the phrases "in a F family of parts" (first sentence) and "The F family" (fourth sentence) are not grammatical English.
PROPOSED SOLUTION: Change to "in a family of parts called F" and "The family F," respectively.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-30
AUTHOR: USA
CLAUSE: 6.2.3
CLASSIFICATION: Minor, Editorial
DESCRIPTION: This clause is entitled "Implicit description of classes in this part of ISO 13584," but, except for the first sentence, it is really a general discussion that is an elaboration on Clause 6.2.2.
PROPOSED SOLUTION: Merge Clause 6.2.3 with Clause 6.2.2.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-31
AUTHOR: USA
CLAUSE: 6.2.3
CLASSIFICATION: Minor, Technical
DESCRIPTION:
PROPOSED SOLUTION: Merge Clause 6.2.3 with Clause 6.2.2.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-32
AUTHOR: USA
CLAUSE: 6.2.3
CLASSIFICATION: Minor, Technical
DESCRIPTION: The sentence: "Finally, assume that the corresponding constraint may be modelled in EXPRESS" is not correct--the code in Figure 4 demonstrates that the constraint may be modelled in EXPRESS.
PROPOSED SOLUTION: Change "Finally, assume that the corresponding constraint..." to "The corresponding constraint..."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-33
AUTHOR: USA
CLAUSE: 6.2.3, Figure 4
CLASSIFICATION: Minor, Technical
DESCRIPTION: Local rule WR5 does not make any sense. It says that SELF.a must equal the second decimal digit of SELF.requirement, and SELF.b must equal the second decimal digit of SELF.requirement plus 1. But this constraint is found nowhere in the text of the EXAMPLE. Moreover, the arguments to the EXPRESS FORMAT function are SELF.requirement (a real) and "2I". But clause 15.9.1 of ISO 10303-11:1994 states that "if type is I, the number shall be represented as an integer."
PROPOSED SOLUTION: (1) Eliminate WR5; or (2) Rewrite WR5 so that it is correct EXPRESS. Add text to the EXAMPLE explaining the meaning of this constraint.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-34
AUTHOR: USA
CLAUSE: 6.2.3
CLASSIFICATION: Minor, Editorial
DESCRIPTION: It is not clear what is meant by "the above description."
PROPOSED SOLUTION: Change "In the above description..." to "in Figure 4..."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-35
AUTHOR: USA
CLAUSE: 6.2.3
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The phrase "...that permit to exchange such constraints" is not grammatical English.
PROPOSED SOLUTION: Insert a noun between "permit" and "to exchange," e.g., "permit implementations to exchange."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-36

AUTHOR: USA
CLAUSE: 6.3
CLASSIFICATION: Major, Technical
DESCRIPTION: The notion, first found in the leading sentence of this clause, that meta-modelling is the opposite of a language-oriented approach is incorrect. Both approaches described in this clause can be considered meta-modelling.
PROPOSED SOLUTION: Change all occurrences of "meta-modelling" and "model-based approach" to something such as "entity instance based approach."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-37
AUTHOR: USA
CLAUSE: 6.3
CLASSIFICATION: Minor, Editorial
DESCRIPTION: What is intended by "language-oriented"?
PROPOSED SOLUTION: Provide an example
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-38
AUTHOR: USA
CLAUSE: 6.3
CLASSIFICATION: Minor, Editorial
DESCRIPTION: It is unclear what is intended by the phrase "be followed by" in EXAMPLE 1.
PROPOSED SOLUTION: Replace "be followed by" with "contain".
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-39
AUTHOR: USA
CLAUSE: 6.3.1
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The first list item says: "the syntax of the language captures some of the constraints"; the second list item says: "the semantics of the language defines some other constraints." What is the difference between "capturing" and "defining" a constraint?
PROPOSED SOLUTION: Change "defines" to "captures" in the second list item.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-40
AUTHOR: USA
CLAUSE: 6.3.1
CLASSIFICATION: Minor, Technical
DESCRIPTION: The first two list items are not really advantages of a language-oriented description of a class, since a meta-modelling approach would capture the constraints equally well. The third list item is not true. A mapping does not specify the structure of an instance. The syntax and semantics of the language specifies the structure of instances. The mapping specifies the external representation of a set of instances. The fifth list item is not really a disadvantage of a language-oriented approach. Although it is true that "only those concepts that exist in the language may be used in a class description," it is equally true that only those concepts that exist in the meta-model may be used in a class description. In fact, a language and a meta-model can have equal expressive power, since one can define a two-way mapping between the language and the meta-model.
PROPOSED SOLUTION: Delete everything except the fourth list item. Expand on it and give any other true reasons why a meta-modeling approach is better.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-41
AUTHOR: USA
CLAUSE: 6.3.1, Example 5
CLASSIFICATION: Minor, Technical

DESCRIPTION: It is not clear what this example is trying to say. What does "semantically different" mean? What is meant by "The value of the requirement attribute might be changed without changing the part"? Furthermore, this paragraph is not really an EXAMPLE; it is a NOTE.
PROPOSED SOLUTION: Give a real example to show what is going on.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-42
AUTHOR: USA
CLAUSE: 6.3.1
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The "s" should be dropped form the word "languages" in the first bullet.
PROPOSED SOLUTION: Change the first bullet to: "the syntax of the language captures some of the constraints that every class description shall fulfil;"
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-43
AUTHOR: USA
CLAUSE: 6.3.1
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The word "some" adds nothing to the sentence.
PROPOSED SOLUTION: Change the second bullet to: "the semantics of the language defines other constraints that every class description shall fulfil".
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-44
AUTHOR: USA
CLAUSE: 6.3.1
CLASSIFICATION: Minor, Editorial
DESCRIPTION: After the third EXAMPLE, the text shift into past tense.
PROPOSED SOLUTION: Change the text after the third example, and fourth bullet to: "Using language-oriented modeling of the class description has two consequences:
-       Classes and instances are modeled, and processed, completely differently;"
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-45
AUTHOR: USA
CLAUSE: 6.3.2
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The NOTE references "figure 1", when "figure 5" is meant.
PROPOSED SOLUTION: Correct the typing.
RESOLUTION

ISSUE NUMBER: USA-PLIB24-46
AUTHOR: USA
CLAUSE: 6.3.2
CLASSIFICATION: Major, Technical
DESCRIPTION: The characterization of meta-modelling as modelling a language-oriented description as a population of a model is incorrect. A meta-model is a model of a family of models. A model is thus an instance of a meta-model. The concept of meta-model is independent of whether a language-based approach is used. Note that the following definitions of meta-model were found on the World Wide Web:
(1) An underlying data model of a methodology which is captured using data modeling techniques such as those based on Entity-Relationships. [http://www.qucis.queensu.ca/home/isazaho/teaspoon/pub/papers/isd.html].
 (2) A model that defines the language for expressing a model. An instance of a meta-metamodel [UML97]. It consists of modeling artifacts that are pre-defined at design time. [http://stud2.tuwien.ac.at/~e8726711/mwglos].
(3) Process concept vocabulary and logic (an ontology) for representing families of capabilities, processes, and their instances in terms of object classes, attributes, relations, constraints, control flow, rules, and computational methods
[http://www.usc.edu/dept/ATRIUM/Software_Process.html#MetaModel]

PROPOSED SOLUTION:
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-47
AUTHOR: USA
CLAUSE: 6.3.2
CLASSIFICATION: Minor, Editorial
DESCRIPTION: In the NOTE, "instance representing" is not grammatical English.
PROPOSED SOLUTION: Change "instance representing" to "representing instances."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-48
AUTHOR: USA
CLAUSE: 6.4
CLASSIFICATION: Minor, Editorial
DESCRIPTION: "The content_item, when present, completes the above description by, implicitly, all the parts that belong to the part family." There is a word missing before or after "implicitly."
PROPOSED SOLUTION: Change "by, implicitly" to "by specifying, implicitly."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-49
AUTHOR: USA
CLAUSE: 6.4
CLASSIFICATION: Minor, Editorial
DESCRIPTION: First Sentence, " As specified in ISO 13584-10, each parts family that constitutes a supplier library has a two levels..."
PROPOSED SOLUTION: should read "...has two levels..."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-50
AUTHOR: USA
CLAUSE: 6.4
CLASSIFICATION: Minor, Technical
DESCRIPTION: The example says that IEC 61360-4 describes all the families of parts that exist in electronics. This is a questionable statement. There are many components not currently in ISO 61360-4.
PROPOSED SOLUTION: Change "all" to "some."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-51
AUTHOR: USA
CLAUSE: 6.4
CLASSIFICATION: Minor, Technical
DESCRIPTION: The last paragraph states: "This part of ISO 13584 provides for representing either one of these two levels, or both." However, there are only two list items following, one for representing just the dictionary, and the other for representing the dictionary and the library specification. It does not explain how one would represent just the library specification..
PROPOSED SOLUTION: Add a third list item explaining how to represent just the library specification.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-52
AUTHOR: USA
CLAUSE: 6.4
CLASSIFICATION: Minor, Editorial
DESCRIPTION: Paragraph b).uses "library specifications" when "content_items" is meant.
PROPOSED SOLUTION: Change the first sentence of paragraph b) to: "parts libraries that contain both dictionary_elements and content_items are modeled through the library entity defined in the ISO13584_library_content_schema."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-53
AUTHOR: USA
CLAUSE: 6.4.1
CLASSIFICATION: Minor, Editorial
DESCRIPTION: "IEC SC3D" is actually subcommittee 3D of IEC TC3.
PROPOSED SOLUTION: Change "IEC SC3D" to "IEC TC3/SC3D".
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-54
AUTHOR: USA
CLAUSE: 6.4.2
CLASSIFICATION: Minor, Editorial
DESCRIPTION: In the NOTE, the dictionary_elements...includes" is not grammatical English.
PROPOSED SOLUTION: Change "includes" to "include."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-55
AUTHOR: USA
CLAUSE: 6.4.2
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The word "etc." at the end of the note is redundant since "includes" implies that the list is not complete.
PROPOSED SOLUTION: Delete "etc."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-56
AUTHOR: USA
CLAUSE: 6.4.3
CLASSIFICATION: Minor, Editorial
DESCRIPTION: In the second paragraph, the phrase "restricts to the common" is missing a noun.
PROPOSED SOLUTION: Change "restricts to the common..." to "restricts an implementation to the common..."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-57
AUTHOR: USA
CLAUSE: 6.4.3
CLASSIFICATION: Minor, Editorial
DESCRIPTION: In the second paragraph, the phrase "is able to store" implies that conforming implementations are all postprocessors. However, the standard would be useless unless there are also conforming preprocessors.
PROPOSED SOLUTION: Change "store" to "handle."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-58
AUTHOR: USA
CLAUSE: 6.4.3
CLASSIFICATION: Minor, Technical
DESCRIPTION: In the second paragraph, the sentence starting with "Moreover"
does not make sense.
PROPOSED SOLUTION: Change to: "Moreover, all conformance classes of library integrated information model 24-1 include the requirements defined in conformance class 0. Therefore, any implementation conforming to any conformance class of library integrated information model 24-1 is also able to read and write any population conforming to the ISO13584_IEC61360_dictionary schema."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-59
AUTHOR: USA
CLAUSE: 6.4.3

CLASSIFICATION: Major, Technical
DESCRIPTION: The discussion in the second paragraph does not make clear what it means to conform to this standard. What does it mean for a population to conform to a standard?
PROPOSED SOLUTION: Rewrite to make clearer, or delete the discussion of conformance classes.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-60
AUTHOR: USA
CLAUSE: 6.4.3
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The word "to" should be dropped from the end of the second sentence.
PROPOSED SOLUTION: Change the second sentence to: "Conformance to a particular conformance class requires that all entities, types, and associated constraints defined as part of that conformance class be supported."
RESOLUTION

ISSUE NUMBER: USA-PLIB24-61
AUTHOR: USA
CLAUSE: 6.4.3
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The last sentence of the second paragraph is awkward.
PROPOSED SOLUTION: Change the last sentence to: "Moreover, any conformance class of the library integrated information model 24-1 including the requirements defined in conformance class 0, is able to do the same."
RESOLUTION

ISSUE NUMBER: USA-PLIB24-62
AUTHOR: USA
CLAUSE: 6.5
CLASSIFICATION: Minor, Editorial
DESCRIPTION: List item b uses "etc." which is not allowed in normative text.
PROPOSED SOLUTION: Delete ": name, definition, type of values, etc."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-63
AUTHOR: USA
CLAUSE: 6.5
CLASSIFICATION: Minor, Technical
DESCRIPTION: In list item c, it is not clear what is meant by "the possible content of this piece of information".
PROPOSED SOLUTION: Explain what is meant by "content."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-64
AUTHOR: USA
CLAUSE: 6.5
CLASSIFICATION: Minor, Technical
DESCRIPTION: The EXAMPLE give here does not clarify anything.
PROPOSED SOLUTION: Change the example or delete it.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-65
AUTHOR: USA
CLAUSE: 6.5
CLASSIFICATION: Minor, Editorial
DESCRIPTION: In the second paragraph, "three levels model" is not grammatical English.
PROPOSED SOLUTION: Change to "three level model."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-66
AUTHOR: USA

CLAUSE: 6.5
CLASSIFICATION: Minor, Technical
DESCRIPTION: In the second paragraph, "three levels model" is not grammatical English.
PROPOSED SOLUTION: Change to "three level model."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-67
AUTHOR: USA
CLAUSE: 6.5
CLASSIFICATION: Minor, Technical
DESCRIPTION: There is no explanation as to why it is important that there be "independence" between the dictionary_element and the content_item.
PROPOSED SOLUTION: Add text explaining the importance of this independence. Add a real-world example illustrating the need for this independence.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-68
AUTHOR: USA
CLAUSE: 6.6
CLASSIFICATION: Minor, Technical
DESCRIPTION: What do these two types of exchange represent? For what purpose are they?
PROPOSED SOLUTION:
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-69
AUTHOR: USA
CLAUSE: 6.6
CLASSIFICATION: Minor, Technical
DESCRIPTION: It is not clear what is meant by a "user system."
PROPOSED SOLUTION: Add an EXAMPLE giving examples of user systems.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-70
AUTHOR: USA
CLAUSE: 6.6
CLASSIFICATION: Minor, Technical
DESCRIPTION: The term "exchange context" is undefined.
PROPOSED SOLUTION: Add a definition of "exchange context" to clause 3.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-71
AUTHOR: USA
CLAUSE: 6.6
CLASSIFICATION: Minor, Technical
DESCRIPTION: List item b starts with: "With respect to product data..." Does this mean that list item a is not with respect to product data? List item a references ISO 10303, whose title is "Product data representation and exchange."
PROPOSED SOLUTION: Delete the clause "With respect to product data..." or rewrite to clarify what is meant.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-72
AUTHOR: USA
CLAUSE: 6.6
CLASSIFICATION: Minor, Technical
DESCRIPTION: What is meant by a "layer of interaction" between the two types
of exchange? Does each layer apply to both types of exchange?
PROPOSED SOLUTION: Clarify.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-73
AUTHOR: USA
CLAUSE: 6.6
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The reference to figure 2 in the second list item a refers to the wrong figure.
PROPOSED SOLUTION: Change the reference to "Fig. 1" to be to "Figure 6."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-74
AUTHOR: USA
CLAUSE: 6.6
CLASSIFICATION: Minor, Editorial
DESCRIPTION: In the second list item a, "all informations" is not good English.
PROPOSED SOLUTION: Change "informations" to "information."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-75
AUTHOR: USA
CLAUSE: 6.6
CLASSIFICATION: Minor, Editorial
DESCRIPTION: In the second list item b, "only that information is necessary..." is not good English.
PROPOSED SOLUTION: Change to "only the information that is necessary..."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-76
AUTHOR: USA
CLAUSE: 6.6
CLASSIFICATION: Minor, Editorial
DESCRIPTION: In the second list item b, why are position and orientation singled out for mention? Would not other attributes be needed as well?
PROPOSED SOLUTION: Explain why only those information necessary to regenerate at a position and orientation are required.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-77
AUTHOR: USA
CLAUSE: 6.6
CLASSIFICATION: Minor, Editorial
DESCRIPTION: In list item c, "that information is transferred..." is not good English.
PROPOSED SOLUTION: Change to "all information is transferred..."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-78
AUTHOR: USA
CLAUSE: 6.6
CLASSIFICATION: Minor, Editorial
DESCRIPTION: Parentheses are not allowed in normative text.
PROPOSED SOLUTION: Delete the parentheses around "a subset of" in list item c.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-79
AUTHOR: USA
CLAUSE: 6.6
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The reference to figure 2 in list item c refers to the wrong figure.
PROPOSED SOLUTION: Change the reference to "Fig.2" to be to "Figure 7."

RESOLUTION:

ISSUE NUMBER: USA-PLIB24-80
AUTHOR: USA
CLAUSE: 6.6.1
CLASSIFICATION: Minor, Editorial
DESCRIPTION: There is an extra "of" in the last sentence.
PROPOSED SOLUTION: Change the last sentence to: "Application oriented data are specified by the implementation resources series parts of ISO 13584 and are not addressed by this part of ISO 13584."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-81
AUTHOR: USA
CLAUSE: 6.6.1
CLASSIFICATION: Minor, Editorial
DESCRIPTION: There is a word missing between "functional view" and "transferred."
PROPOSED SOLUTION: Change "functional view transferred" to "functional view being transferred."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-82
AUTHOR: USA
CLAUSE: 6.6.1
CLASSIFICATION: Minor, Editorial
DESCRIPTION: "Parts" should not be capitalized in "series of Parts."
PROPOSED SOLUTION: Change to lower case.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-83
AUTHOR: USA
CLAUSE: 6.6.2
CLASSIFICATION: Minor, Technical
DESCRIPTION: List item a references a "general view of a part" and a "functional view of an item." It is not clear why general view applies to "part" but functional view applies to "item." Also, "functional view of an item" is not defined anywhere in this part.
PROPOSED SOLUTION: Change "functional view of an item" to "functional view of a part."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-84
AUTHOR: USA
CLAUSE: 6.6.2
CLASSIFICATION: Minor, Editorial
DESCRIPTION: "...some Application Protocol of ISO 10303, are defined" is not grammatical.
PROPOSED SOLUTION: Delete the comma after 10303.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-85
AUTHOR: USA
CLAUSE: 6.6.2
CLASSIFICATION: Minor, Technical
DESCRIPTION: The phrase "an exchange context conforming to some Application Protocol of ISO 10303" is meaningless; ISO 10303 APs do not specify conformance requirements of exchange contexts. In any case, it is not clear what it means for an exchange context to conform to a standard.
PROPOSED SOLUTION:
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-86
AUTHOR: USA
CLAUSE: 6.6, Figure 6

CLASSIFICATION: Minor, Technical
DESCRIPTION: It is confusing to combine layers 1 and 2 into the same diagram. It is not clear from the diagram which paths represent layer 1 and which paths represent layer 2.
PROPOSED SOLUTION: Create separate diagrams for layers 1 and 2.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-87
AUTHOR: USA
CLAUSE: 6.6.3
CLASSIFICATION: Major, Technical
DESCRIPTION: The purpose of the sentences starting with "Due to the use of the same data specification language" is unclear. It talks about mapping Units of Functionality (UOFs), but there is no process defined in ISO 10303
to map UOFs. Also, this sentence seems to be instructions or notes to people developing the standards (STEP and PLIB) rather than requirements on implementations. As such, it should not be here.
PROPOSED SOLUTION: Remove these sentences, or rewrite to state clearly what
the requirement is on implementors.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-88
AUTHOR: USA
CLAUSE: 6.7.1
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The phrase "information model, and several library external files" is not punctuated properly.
PROPOSED SOLUTION: Remove the comma after "information model".
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-89
AUTHOR: USA
CLAUSE: 6.7.2
CLASSIFICATION: Minor, Technical
DESCRIPTION: The second paragraph talks about files whose structure and information content complies with http protocol. But http is a transport mechanism that can transfer any kind of file. It is not clear what it means for a file
PROPOSED SOLUTION: Clarify what it means to comply with the http protocol.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-90
AUTHOR: USA
CLAUSE: 6.7.2
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The word "a" is missing from before the word VEP in the third paragraph.
PROPOSED SOLUTION: Change the third paragraph to: "When a conformance class of a LIIM or a conformance class of a VEP specifies that library external files according to the http protocol shall be supported, this means that an implementation that claims conformance to this conformance class shall include:"
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-91
AUTHOR: USA
CLAUSE: 8.4.3.9
CLASSIFICATION: Minor, Technical
DESCRIPTION: The express code for "Unary_class_instance_constructor" does not compile under STEP Tools "expxfront" EXPRESS parser. This may represent an EXPRESS error.
PROPOSED SOLUTION: Replace "SELF\unary_generic_expression.operand" with
"SELF\unary_class_instance_expression.operand"
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-92

AUTHOR: USA
CLAUSE: 8.4.3.10
CLASSIFICATION: Minor, Technical
DESCRIPTION: The express code for "Binary_class_instance_constructor" does not compile under STEP Tools "expxfront" EXPRESS parser. This may represent an EXPRESS error.
PROPOSED SOLUTION: Replace "SELF\binary_generic_expression.operand" with "SELF\binary_class_instance_expression.operand"
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-93
AUTHOR: USA
CLAUSE: 8.4.3.11
CLASSIFICATION: Minor, Technical
DESCRIPTION: The express code for "Multiple_arity_class_instance_constructor" does not compile under STEP Tools "expxfront" EXPRESS parser. This may represent an EXPRESS error.
PROPOSED SOLUTION: Replace "SELF\ multiple_arity_generic_expression.operand" with "SELF\ multiple_arity_class_instance_expression.operand"
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-94
AUTHOR: USA
CLAUSE: 9.3.7.14
CLASSIFICATION: Minor, Technical
DESCRIPTION: The express code for "Multiple_arity_cartesian_product" does not compile under STEP Tools "expxfront" EXPRESS parser. This may represent an EXPRESS error.
PROPOSED SOLUTION: Replace "SELF\multiple_arity_generic_expression.operands" with "SELF\multiple_arity_table_expression.operands"
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-95
AUTHOR: USA
CLAUSE: 9.3.7.17
CLASSIFICATION: Minor, Technical
DESCRIPTION: The express code for "Projection_expression" does not compile under STEP Tools "expxfront" EXPRESS parser. This may represent an EXPRESS error.
PROPOSED SOLUTION: Replace "SELF\unary_generic_expression.operand" with "SELF\unary_table_expression.operand"
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-96
AUTHOR: USA
CLAUSE: 11.1, second bulleted paragraph
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The "s" should be dropped form the first word "variables" in the last sentence.
PROPOSED SOLUTION: Change the last sentence to: "model how the domain of some variable is dependent on the value of some other variables."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-97
AUTHOR: USA
CLAUSE: 11.1, second Example
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The word "surface" is used where "area" is meant.
PROPOSED SOLUTION: Change the sentence to: "The resources defined in the ISO13584_domain_resource_schema may be used to model the derivation function that enables the computation of the value of the area of a rectangle from its length and its width."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-98
AUTHOR: USA
CLAUSE: 11.1
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The Examples and Notes are not numbered.
PROPOSED SOLUTION: Number them.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-99
AUTHOR: USA
CLAUSE: 11.2
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The "s" should be dropped form the word "variables" in the first sentence of the third paragraph.
PROPOSED SOLUTION: Change the first sentence to: "When the domain of some variable depends on the values of some other variables, both sets of variables need to be characterized differently to capture the role they play in the relation."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-100
AUTHOR: USA
CLAUSE: 11.4.2
CLASSIFICATION: Minor, Editorial
DESCRIPTION: In the definition of the defines attribute, the word "whom" is used where "which" is meant.
PROPOSED SOLUTION: Change the definition to: "defines: the set of variable_semantics for which the domain is defined."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-101
AUTHOR: USA
CLAUSE: 11.4.3
CLASSIFICATION: Minor, Editorial
DESCRIPTION: In the first sentence, the word "specify" is used where "specifies" is meant.
PROPOSED SOLUTION: Change the sentence to: "A guarded_simple_domain is the information model of a domain that is associated with a guard that specifies whether or not this information model applies."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-102
AUTHOR: USA
CLAUSE: 11.4.5
CLASSIFICATION: Major, Editorial
DESCRIPTION: The second sentence is awkward to read.
PROPOSED SOLUTION: Change the sentence to: "This column defines the domain of the corresponding variable, and all the variables shall take their values in the same row of the table. If some variable_semantics of the assumes set corresponds to an entry in the appropriate table column, then the rest of this row in the table specifies the current values of the variables corresponding to these variable_semantics."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-103
AUTHOR: USA
CLAUSE: 11.4.7
CLASSIFICATION: Minor, Editorial
DESCRIPTION: An "s" should be added to the word "type" in the first sentence.
PROPOSED SOLUTION: Change the first sentence to: " A subclass_defined_domain entity defines the domain of one or several variables, whose data types are class_instance_types as a class."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-104
AUTHOR: USA

CLAUSE: 11.4.12
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The word "the" is missing from the last sentence.
PROPOSED SOLUTION: Change the last sentence to: "In the case of several guards evaluating to true, any simple_functional_domain of which the guard evaluates to true shall define the domain."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-105
AUTHOR: USA
CLAUSE: 11.4.3
CLASSIFICATION: Minor, Editorial
DESCRIPTION: In the last sentence of the first paragraph, the word "specify" is used where "specifies" is meant. There is also and extra "the" in this sentence.
PROPOSED SOLUTION: Change the sentence to: "Such simple_functional_domain may be used to define the derivation function that specifies the value of any variable whose data type belongs to one of the data types defined for properties in the ISO13584_IEC61360_dictionary_schema."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-106
AUTHOR: USA
CLAUSES: 11.5.1 and 11.5.2
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The phrase "associated to" should be replaced by "associated with".
PROPOSED SOLUTION: Make this change.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-107
AUTHOR: USA
CLAUSE: 12.1
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The "s" should be dropped form the word "enables" in the first sentence.
PROPOSED SOLUTION: Change the first sentence to: "The ISO13584_extended_dictionary_schema schema defines the extensions to the ISO/IEC common dictionary schema that enable the exchange of ISO 13584 dictionary data."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-108
AUTHOR: USA
CLAUSE: 12.1 EXAMPLE 1
CLASSIFICATION: Minor, Editorial
DESCRIPTION: An "s" should be added to the word "capture" in the first sentence, and dimensionning is misspelled.
PROPOSED SOLUTION: Change the first sentence to: "A form feature is an identifiable abstraction that is associated with (dimensioning) properties and that captures one aspect of the shape of a component."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-109
AUTHOR: USA
CLAUSE: 12.1 b)
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The "s" should be dropped form the word "defines" in the last sentence.
PROPOSED SOLUTION: Change the last sentence to: "The present schema also provides for classes of functional models able to generate various representations of these stand-alone abstractions and classes of functional views that define the structure of the various representations of these stand-alone abstractions."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-110

AUTHOR: USA
CLAUSE: 12.2.5
CLASSIFICATION: Minor, Editorial
DESCRIPTION: An "s" should be added to the word "contain" in the first
sentence of the third paragraph.
PROPOSED SOLUTION: Change the first sentence in the third paragraph to: "To provide for unique
identification of each class related element, their basic_semantic_unit contains, as a name_scope attribute, the root
of the class tree where each class related element is visible."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-111
AUTHOR: USA
CLAUSE: 12.5
CLASSIFICATION: Minor, Editorial
DESCRIPTION: An "s" should be added to the word "unit" in the last sentence of the first paragraph.
PROPOSED SOLUTION: Change the last sentence in the first paragraph to: "Only the dictionary basic semantic
units defined by this library data supplier may be associated with a dictionary_element and/or a content_item."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-112
AUTHOR: USA
CLAUSE: 12.5
CLASSIFICATION: Minor, Editorial
DESCRIPTION: Only the first two NOTEs in this section are numbered.
PROPOSED SOLUTION: Number the NOTEs.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-113
AUTHOR: USA
CLAUSE: 12.5
CLASSIFICATION: Minor, Editorial
DESCRIPTION: An "s" should be added to the word "use" in the first sentence of the third Note. This same
sentence uses "to to" when "to" is meant. The word "that" is used where "as" is meant in the last sentence in this
Note.
PROPOSED SOLUTION: Change the third Note to: "This order is only intended to facilitate the compiling process
of a dictionary if the implementation uses a procedural compiling process such as the one defined in the
informative
annex O. In this case, it avoids any forward references. This order doesn't need to be followed provided that the
result of the compiling process is the same as the one that would result from the process defined in the informative
annex O."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-114
AUTHOR: USA
CLAUSE: 12.5
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The fourth Note uses the phrase "exchange context" when "library exchange context" is meant.
PROPOSED SOLUTION: Change the fourth Note to: "An ISO 13584-compliant library exchange context shall
contain only one dictionary."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-115
AUTHOR: USA
CLAUSE: 12.5
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The word "by" is missing from the third bulleted item.
PROPOSED SOLUTION: Change the third bulleted item to: "either when a property_BSU or a data_type_BSU
referenced by this class references itself directly or indirectly by this class_BSU, or"

RESOLUTION:

ISSUE NUMBER: USA-PLIB24-116
AUTHOR: USA
CLAUSE: 12.5
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The third paragraph before the Express is missing the "b)".
PROPOSED SOLUTION: Add "b)" to this paragraph.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-117
AUTHOR: USA
CLAUSE: 12.6
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The "s" should be dropped form the word "systems" in the second sentence of the first paragraph.
PROPOSED SOLUTION: Change the second sentence of the first paragraph to: "Every user system supporting this library integrated information model and any view exchange protocols shall be able to compile such a dictionary."
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-118
AUTHOR: USA
CLAUSE: 12.7
CLASSIFICATION: Minor, Editorial
DESCRIPTION: The attribute definition for "status" lists "DRAFT" as the first status. VEP 101 and VEP 102 list this as "WD".
PROPOSED SOLUTION: Change "DRAFT" to "WD".
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-119
AUTHOR: USA
CLAUSE: 12.9
CLASSIFICATION: Minor, Technical
DESCRIPTION: As shown in the current WD of VEP 102, there is no need to use the referenced_ISO10303_AP attribute of the view_exchange_protocol_id entity.
PROPOSED SOLUTION: delete this attribute.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-120
AUTHOR: USA
CLAUSES: 12.10.1 and 12.10.2
CLASSIFICATION: Minor, Editorial
DESCRIPTION: An "s" should be added to the word "gather" in the last sentence in Note 2.
PROPOSED SOLUTION: Change the last part of the last sentence in both clauses to: "(that gathers these placements with their context).".
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-121
AUTHOR: USA
CLAUSES: 12.10.2, 12.10.3, and 12.10.4
CLASSIFICATION: Minor, Editorial
DESCRIPTION: In several places, the phrase "ISO 13584 conforming exchange context" is used when "library exchange context" is meant.
PROPOSED SOLUTION: Substitute the correct phrase.
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-122
AUTHOR: USA
CLAUSE: Clause 12.11.1

CLASSIFICATION: Minor, Technical
DESCRIPTION: The express code for "Program_library_BSU" does not compile under STEP Tools "expxfront" EXPRESS parser. This may represent an EXPRESS error.
PROPOSED SOLUTION: Replace "SELF\basic_semantic_unit.code" with "SELF\supplier_related_bsu.code"
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-123
AUTHOR: USA
CLAUSE: Clause 12.11.2
CLASSIFICATION: Minor, Technical
DESCRIPTION: The express code for "Table_BSU" does not compile under STEP Tools "expxfront" EXPRESS parser. This may represent an EXPRESS error.
PROPOSED SOLUTION: Replace "SELF\basic_semantic_unit.code" with "SELF\class_related_bsu.code"
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-124
AUTHOR: USA
CLAUSE: Clause 12.11.3
CLASSIFICATION: Minor, Technical
DESCRIPTION: The express code for "Document_BSU" does not compile under STEP Tools "expxfront" EXPRESS parser. This may represent an EXPRESS error.
PROPOSED SOLUTION: Replace "SELF\basic_semantic_unit.code" with "SELF\class_related_bsu.code".
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-125
AUTHOR: USA
CLAUSE: Clause 12.15.3
CLASSIFICATION: Minor, Technical
DESCRIPTION: The express code for "Prgram_library_element" does not compile under STEP Tools "expxfront" EXPRESS parser. This may represent an EXPRESS error.
PROPOSED SOLUTION: Replace "SELF\dictionary_element.identified_by" with "SELF\supplier_related_element.identified_by".
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-126
AUTHOR: USA
CLAUSE: Clause 12.6.1
CLASSIFICATION: Minor, Technical
DESCRIPTION: The express code for "Table_element" does not compile under STEP Tools "expxfront" EXPRESS parser. This may represent an EXPRESS error.
PROPOSED SOLUTION: Replace "SELF\dictionary_element.identified_by" with "SELF\class_related_element.identified_by".
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-127
AUTHOR: USA
CLAUSE: Clause 12.6.3
CLASSIFICATION: Minor, Technical
DESCRIPTION: The express code for "Document_element" does not compile under STEP Tools "expxfront" EXPRESS parser. This may represent an EXPRESS error.
PROPOSED SOLUTION: Replace "SELF\dictionary_element.identified_by" with "SELF\class_related_element.identified_by"
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-128
AUTHOR: USA
CLAUSE: Clause 14.6.3

CLASSIFICATION: Minor, Technical
DESCRIPTION: The express code for "Supplier_BSU_related_content" does not compile under STEP Tools "expxfront" EXPRESS parser. This may represent an EXPRESS error.
PROPOSED SOLUTION: Replace "SELF\content_item.dictionary_definition" with "SELF\dictionary_external_item.dictionary_definition"
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-129
AUTHOR: USA
CLAUSE: Clause 14.6.4
CLASSIFICATION: Minor, Technical
DESCRIPTION: The express code for "Program_library_content" does not compile under STEP Tools "expxfront" EXPRESS parser. This may represent an EXPRESS error.
PROPOSED SOLUTION: Replace "SELF\content_item.dictionary_definition" with SELF\supplier_BSU_related_content.dictionary_definition"
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-130
AUTHOR: USA
CLAUSE: Clause 14.6.5
CLASSIFICATION: Minor, Technical
DESCRIPTION: The express code for "Class_BSU_related_content" does not compile under STEP Tools "expxfront" EXPRESS parser. This may represent an EXPRESS error.
PROPOSED SOLUTION: Replace "SELF\content_item.dictionary_definition" with "SELF\dictionary_external_item.dictionary_definition"
RESOLUTION:

ISSUE NUMBER: USA-PLIB24-131
AUTHOR: USA
CLAUSE: Clause 14.6.6
CLASSIFICATION: Minor, Technical
DESCRIPTION: The express code for "Document_content" does not compile under STEP Tools "expxfront" EXPRESS parser. This may represent an EXPRESS error.
PROPOSED SOLUTION: Replace "SELF\content_item.dictionary_definition" with "SELF\class_BSU_related_content.dictionary_definition"
RESOLUTION:

Filename: sc4n792.doc
Directory: I:\sc4\docs
Template: C:\Program Files\Microsoft Office\Office\Normal.dot
Title:
Subject:
Author: Mike Washington
Keywords:
Comments:
Creation Date: 11/24/98 9:08 AM
Change Number: 8
Last Saved On: 11/30/98 3:40 PM
Last Saved By: paule
Total Editing Time: 47 Minutes
Last Printed On: 12/01/98 3:20 PM
As of Last Complete Printing
    Number of Pages: 28
    Number of Words: 8,928 (approx.)
    Number of Characters: 50,893 (approx.)